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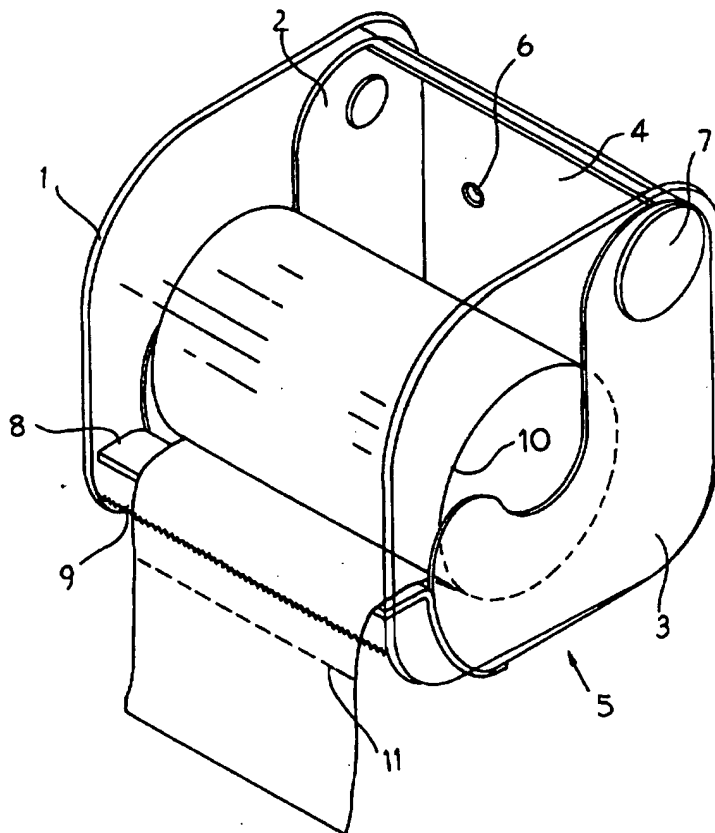
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| (51) International Patent Classification ⁶: A47K 10/38, 10/16 | A1 | (11) International Publication Number: WO 96/21388 (43) International Publication Date: 18 July 1996 (18.07.96) |
| (21) International Application Number: PCT/AU96/00014 (22) International Filing Date: 11 January 1996 (11.01.96) (30) Priority Data: PN 0480 11 January 1995 (11.01.95) AU PN 3919 30 June 1995 (30.06.95) AU (71)(72) Applicant and Inventor: SULLIVAN, Susan, Patricia [AU/AU]; 47 Kurrajong Drive, Thornlie, W.A. 6108 (AU). | (81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AZ, BY, KZ, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> | |

(54) Title: PERSONAL HYGIENE PACKAGE

(57) Abstract

A personal hygiene package for use in dispensing sheets of moist paper from a pre-moistened toilet roll for use in cleaning human skin, the personal hygiene package comprising a dispenser having a lid (1) which opens to allow the toilet roll (10) to be inserted into it, a severing edge (8) located so that a lip (9) of the lid (1) closes over the severing edge (8) when the lid (1) is in a closed position for allowing severing of the toilet roll (10) into sheets (11) and the lid (1) also being disposed to substantially maintain the humidity within the dispenser so that the moisture of the toilet roll (10) is maintained.



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TITLE**PERSONAL HYGIENE PACKAGE****FIELD OF THE INVENTION**

5 The present invention relates to a moist toilet roll and holder for use in assisting in personal hygiene when using a toilet.

BACKGROUND OF THE INVENTION

10 I was unable to purchase in the market place a moist toilet roll and holder to satisfy my needs. Paper toilet rolls in the main, are harsh on human skin. They cause irritation, rash and inflammation and fall a long way short of complete cleanliness. The reason for this invention is so that a person can feel positively clean after going to the toilet.

15 I discovered that when I get up in the morning and have a shower, then need to go to the toilet and use the existing toilet paper, I DO NOT feel clean. Also the use of the toilet paper leaves me with a rash due to its roughness. I feel I need to have another shower, or at least go to the bathroom and have a wash, which for me and anyone else is *degrading*. If you go to the toilet you should be able to feel clean before leaving the toilet. If you are at work or visiting friends in their home, this second option is not possible. The NEED for my INVENTION IS GREAT. Since I have been using my prototype invention (10 MONTHS). I no longer have a problem because of the softness of the moist material which leaves me feeling hygienically clean, refreshed and comfortable at all times and there is no sign of inflammation or a rash.

SUMMARY OF THE INVENTION

25 Therefore it is an object of the present invention to provide a Personal Hygiene Package for use in increasing cleanliness after using a toilet.

In accordance with one aspect of the present invention there is provided a personal hygiene package for use in dispensing sheets of moist paper from a toilet roll for the use in cleaning human skin, the personal hygiene package having:

30 a dispenser having a lid which opens to allow the toilet roll to be inserted into it, a severing edge located so that a lip of the lid closes over the severing edge when the lid is in a closed position for allowing severing of the toilet roll into sheets, and the lid also being disposed to substantially maintain the humidity within the dispenser so that the moisture of the toilet roll is
35 maintained.

BRIEF DESCRIPTION OF THE DRAWINGS

An exemplary embodiment of the present invention will now be described with reference to the accompanying drawings, which are:-

5 Figure 1 is perspective view, seen from above, of a personal hygiene package in accordance with the present invention; and,

Figure 2 is a cross-sectional side view of a part of a severing lip and serrated edge of the package of Figure 1.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

10 The personal hygiene package comprises a dispenser and a pre-moistened toilet roll (10).

The dispenser is preferably moisture-proof (although not necessarily airtight). The dispenser has a lid 1, a left side 2, a right side 3, a back 4, a base 5, mounting holes 6, pivots 7, a severing lip 8, and a serrated edge 9.

15 Typically, the lid 1 is transparent, to show the amount of the toilet roll 10 which remains to be used, and the remainder of the dispenser is opaque. The back 4 has the two screw holes 6 to enable the dispenser to be affixed to the toilet/ensuite vertical wall. The left side 2 and the right side 3 of the dispenser are attached to the lid 1 by the pivots 7 to allow the lid to open and close to allow a new pre-moistened toilet roll 10 to be inserted into it. The lip 20 8 is disposed upwardly of the base 5 to meet with the lid 1 as shown in Figure 2 so as to act as a seal to ensure that the humidity is retained within the dispenser thus inhibiting the pre-moistened toilet roll 10 from drying out. The lid 1 typically has a serrated edge 9 for providing a drag on the toilet roll 10 as it is pulled out of the dispenser, as described hereinafter. It is to be understood that it is not essential for the lid 1 to have the serrated edge 9 and 25 that the severing of the toilet roll 10 into sheets will occur even without the serrations. What is important is that there be an overlap of the edge 9 of the lid 1 and the lip 8 of the base 5.

30 The pre-moistened toilet roll 10 is made of a plurality of sheets 11, such as, for example, 220 sheets 11, each having a typical size of 100 mm x 110 mm. The sheets 11 are conveniently joined by serrations so as to allow the sheets 11 to separate upon hand pulling (similar to that of conventional non-moisturised toilet paper). The sheets 11 are preferably made from a biodegradable material. The sheets 11 could be made of material such as 35 material as cellulose wadding or the like. Typically the sheets 11 chemically treated with

(a) canestan - recommended by the medical profession for patients suffering with thrush in the vaginal area;

(b) aloe vera;

40 (c) lanolin;

(d) vitamin E; and/or

(e) other ingredients related to moisturised material for the purpose of perfumery and softening agents, etc.

Typically, the toilet roll 10 does not have a spindle so as to allow the toilet roll 10 to rest on the base 5 and thus soak up any condensation that takes place there.

5 Modifications and variations such as would be apparent to a skilled addressee are considered within the scope of the present invention. For example, a spindle could be added to the roll 10 to assist in maintaining the flatness of the sheets 11 of moistened paper as they are removed - even
10 down to the last sheets 11. The container could be made from - plastic, acrylic, china, powder coated metal or injection moulding etc. It is also envisaged that a larger version of the container and moist roll could be used in kitchens - as hand towels.

CLAIMS

1. A personal hygiene package for use in dispensing sheets of moist paper from a toilet roll for the use in cleaning human skin, the personal hygiene package having:
 - 5 a dispenser having a lid which opens to allow the toilet roll to be inserted into it, a severing edge located so that a lip of the lid closes over the severing edge when the lid is in a closed position for allowing severing of the toilet roll into sheets, and the lid also being disposed to substantially maintain the humidity within the dispenser so that the moisture of the toilet roll is
10 maintained.
2. A personal hygiene package according to Claim 1, in which the dispenser has a base with a lip, the lip being disposed so that the severing edge of the lip is located proximate it when in the closed position, so that the sheets of the toilet roll can be severed and so that the dispenser is
15 substantially moisture retentive.

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Fig. 1.

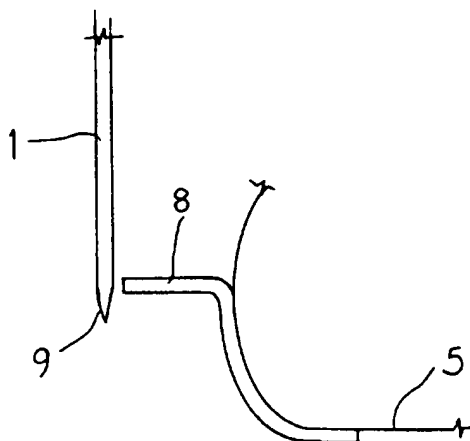
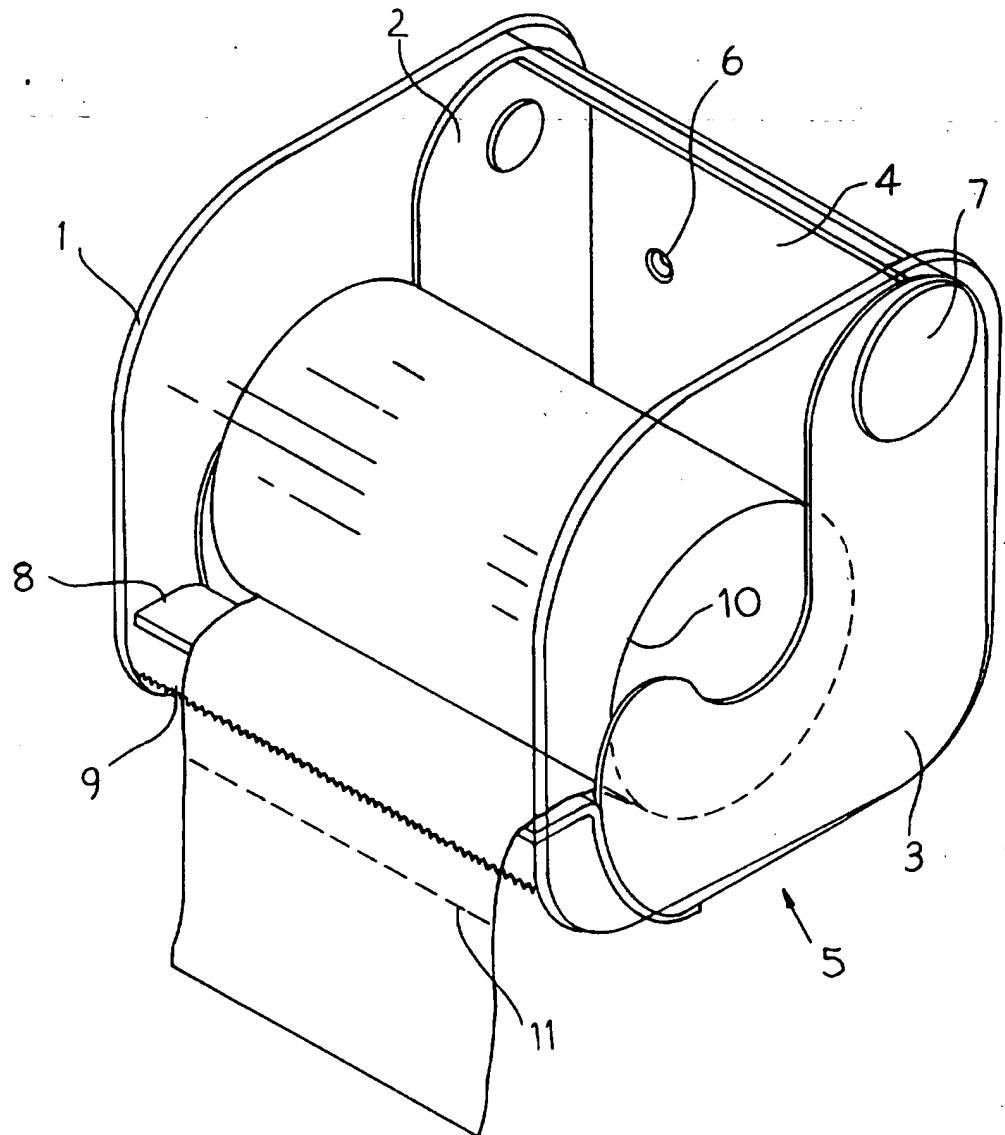


Fig. 2.

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/AU 96/00014

A. CLASSIFICATION OF SUBJECT MATTER

Int Cl⁶: A47K 10/38; 10/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC : A47K 10/38; 10/16

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
AU : IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| X | US 3368522 A (Cordis) 13 February 1968 see whole document | 1, 2 |
| X | US 3592161 A (Hoffman) 13 July 1971 see whole document | 1, 2 |
| X | DT 2409200 A (Brunhorn) 11 September 1975 see whole document | 1, 2 |



Further documents are listed in the continuation of Box C




See patent family annex

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Date of the actual completion of the international search
24 April 1996

Date of mailing of the international search report
8 MAY 1996 (08.05.96)

Name and mailing address of the ISA/AU
AUSTRALIAN INDUSTRIAL PROPERTY ORGANISATION
PO BOX 200
WODEN ACT 2606
AUSTRALIA Facsimile No.: (06) 285 3929

Authorized officer

B.R. DASHWOOD
Telephone No.: (06) 283 2121

INTERNATIONAL SEARCH REPORT

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| C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|--|-----------------------|
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | EP 89933 A (QTS SRL) 28 September 1983 | |
| Y | see whole document | 1,2 |
| X | GB 1488946 A (Paclene) 19 October 1977 | |
| Y | see whole document | 1,2 |
| X | GB 799084 A (Carrara and Matta) 30 July 1958 | |
| Y | see whole document | 1,2 |
| X | GB 514160 A (Lebrecht) 1 November 1939 | |
| Y | see whole document | 1,2 |
| X | GB 387571 A (Brookes and Adams) 2 March 1933 | |
| Y | see whole document | 1,2 |
| X | US 2893616 A (Stell) 7 July 1959 | |
| Y | see whole document | 1,2 |
| X | US 2592955 A (Roddan) 15 April 1952 | |
| Y | see whole document | 1,2 |
| X | US 213 2177 A (Mezoff) 4 October 1938 | |
| Y | see whole document | 1,2 |
| X | DT 1234581 A (Friedrich) 16 February 1967 | |
| Y | see whole document | 1,2 |
| X | DT 1511440 A (Hauke) 28 August 1969 | |
| Y | see whole document | 1,2 |
| Y | AU 33466/71 A (Chard) 22 March 1973 | |
| | see whole document | 1,2 |
| Y | AU 32177/78 B (508516) (Proctor and Gamble) 12 July 1979 | |
| | see whole document | 1,2 |
| Y | AU 28765/77 B (497647) (Colgate-Palmolive) 8 December 1977 | |
| | see whole document | 1,2 |
| Y | FR 2659215 A (Ashraf-Mahtab) 13 September 1991 | |
| | see whole document | 1,2 |

INTERNATIONAL SEARCH REPORT**International Application No.
PCT/ AU 96/00014**

| C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|---|---|------------------------------|
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| Y | EP 186208 A (PWA Waldhof) 2 July 1986 see whole document | 1,2 |
| Y | EP 365726 A (Scott Paper) 2 May 1990 see whole document | 1,2 |
| Y | Derwent Abstract Accession no. 93-003386/01, Classs P28, JP 04-329913 A (Sanyo) 18 November 1992 | 1,2 |
| Y | Derwent Abstract Accession no. 92-069871/09, Classs P28, JP 04-015021 A (Kao) 20 January 1992 | 1,2 |

INTERNATIONAL SEARCH REPORT**Information on patent family members**

International Application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in Search Report | | | | Patent Family Member | | | |
|--|---------|----|----------|----------------------|---------|----|----------|
| EP | 89933 | IT | 1152175 | FR | 2505759 | GB | 2098683 |
| | | US | 4463562 | | | | |
| GB | 1488946 | AU | 10511/76 | BE | 837820 | CH | 593196 |
| | | DE | 2602168 | DK | 247/76 | ES | 444549 |
| | | FI | 760149 | FR | 2298502 | GR | 58602 |
| | | HK | 297/78 | IN | 142148 | JP | 51096696 |
| | | LU | 74235 | NL | 7600674 | NO | 760205 |
| | | PT | 64730 | SE | 7600638 | ZA | 7600380 |
| EP | 186208 | DE | 3447499 | | | | |
| EP | 365726 | US | 4882221 | US | 4883475 | AU | 25026/88 |
| END OF ANNEX | | | | | | | |

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